rof. Khaled Sallam and a production of the constitution of the co Poultry Meal (BUSC, MUSC, PhD) Mahmoud Abdelnaeem Meat Hygiene 01003912810 Hygiene Chickens

poultry Meat Hygiene

Techanical terms for poultry: primarily raised for meat.

· Roaster young or or & soft-boned chickens (guks old)

· Cockerels: 07 soft - boned chickens mature to be classed as broiler, but not old enough to be classed of > 2 kg.

costrated or chickens (7-10 months old) > 3 kg as roasters.

ash

Composition %

chick en WhoLe

Beet

Lamb

Salmon

20-23 73.6

20-22 70-73

20

20-22 3-15

-Fed on ground Foodstuffs mixed with Fat and milk

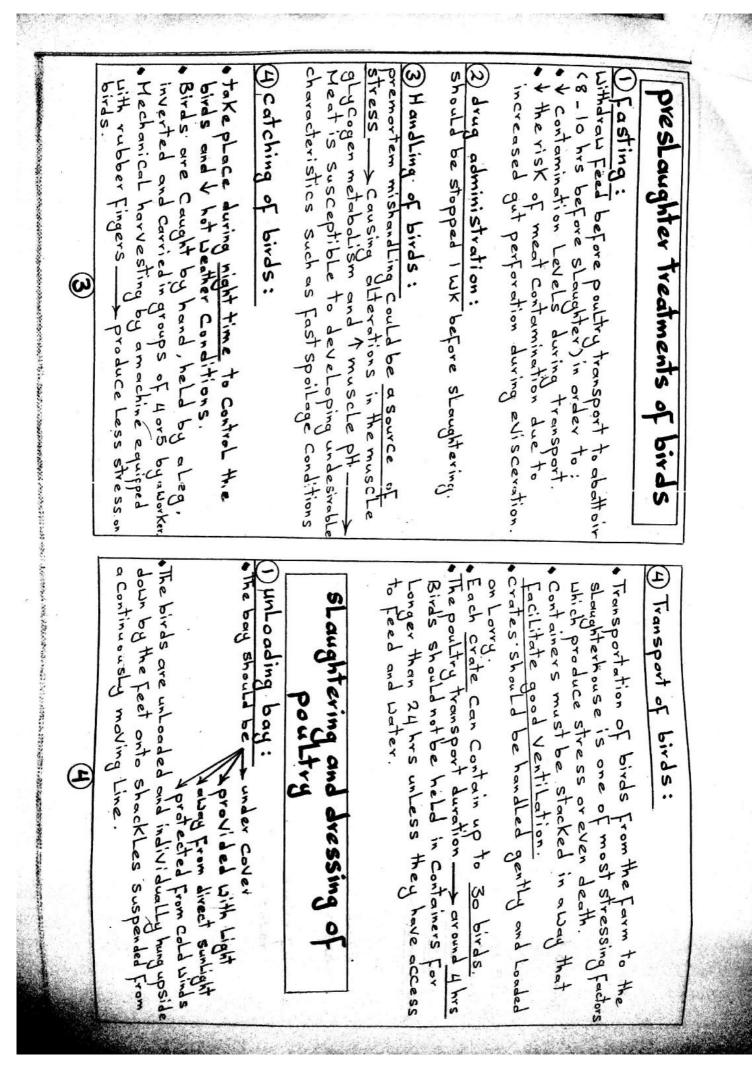
· Poussins < MILK chickens) :

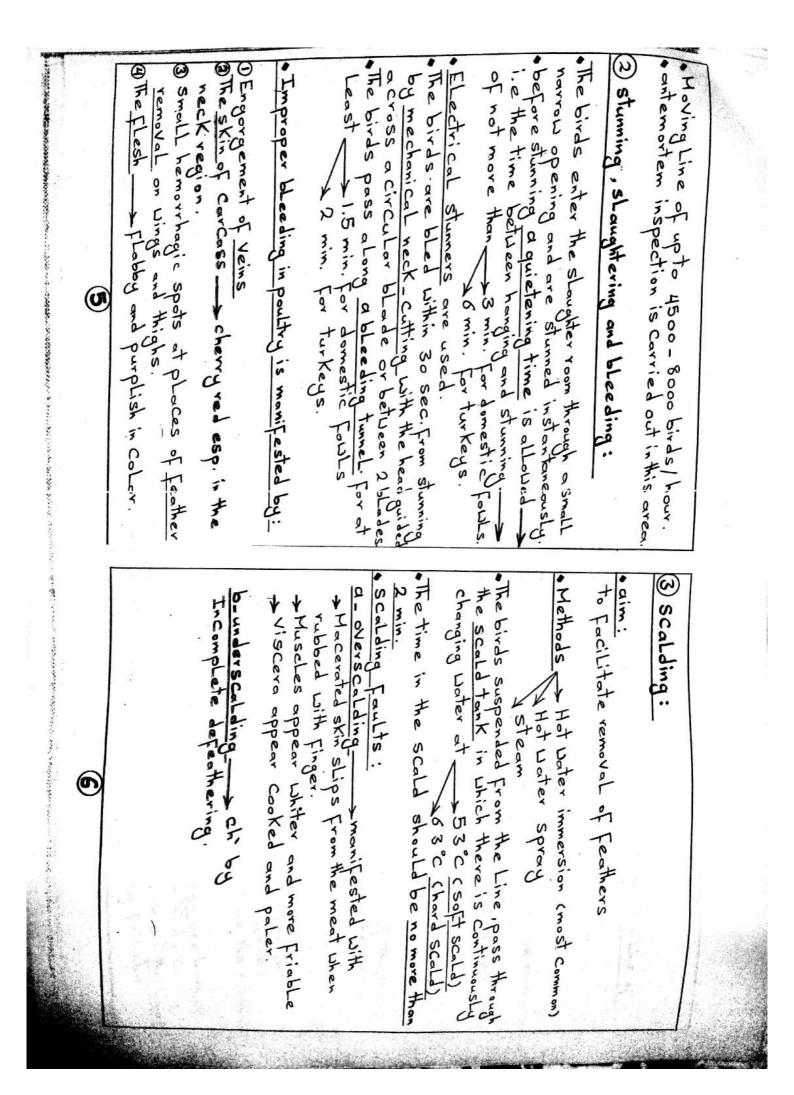
thismine and ascorbic acid. Chicken is agood source of phosphorus. potassium and selenium. poultry is a good source of high quality protein and contain all essential A.A ____ It contains more protein than red meats.

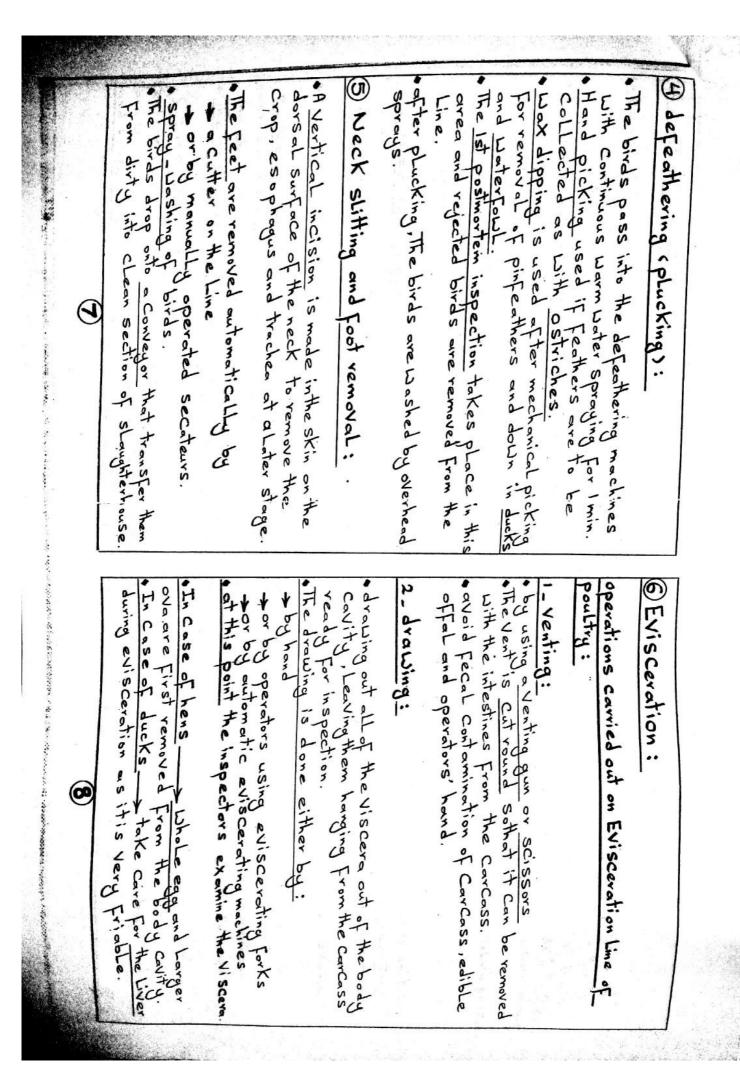
- young hens have Flexible breastbone and beak - old hens -> & at end of Laying Life > 3 kg poultry meat: and drumsticks)

chemical composition of poultry meat:

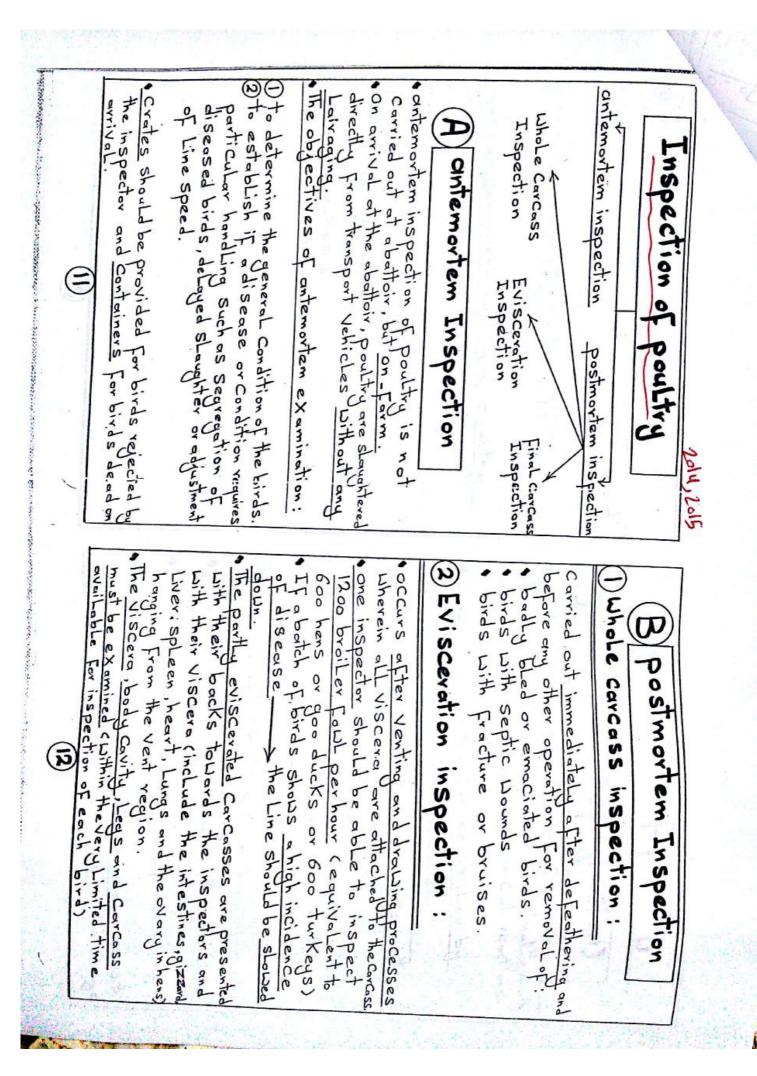
· Chemical composition of chicken meat among other meat types:

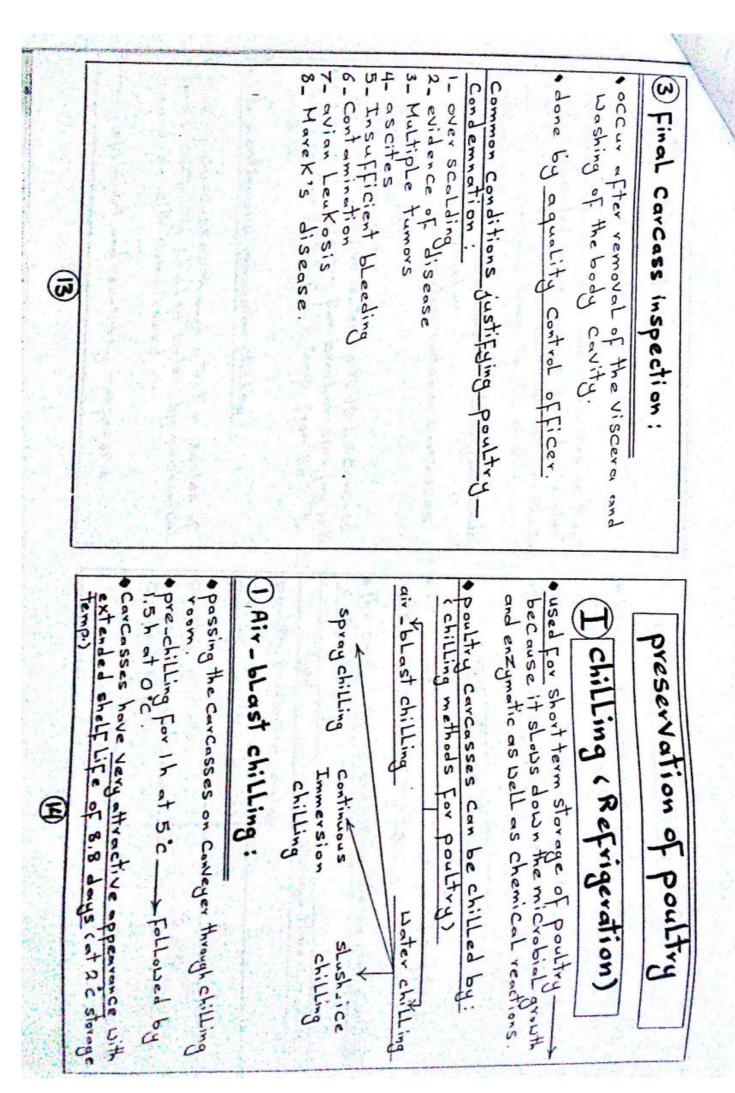


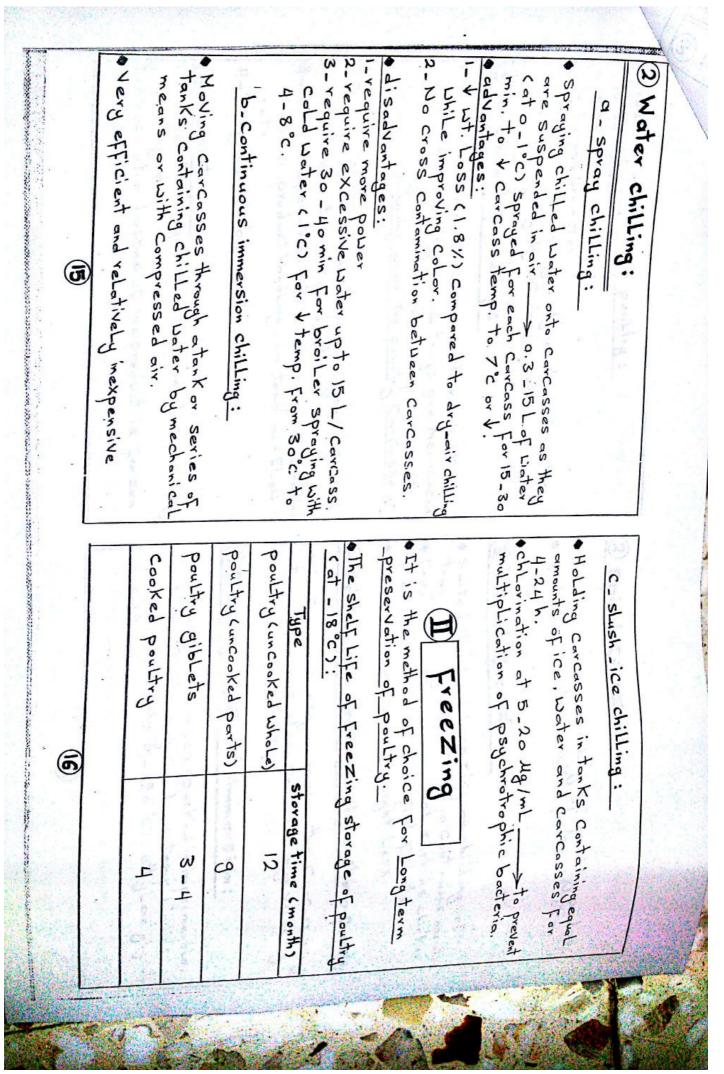




to remove any Contamination or portions of · removed mechanically by traction of a head · Inedible offal cintestines, proventriculus and lungs) - > are discarded into the water trough This also removes the crop, esophagus and trached the shoulder using automatic or manual secateurs. The necks are classified as edible offal (gilstets). are removed for further cheart, Liver and gizzzard) before going into the washing and cooling tanks, birds are spray washed to remove blood and extraneous matter to total microbial Load on poultry carcasses. C- offat removal: F. Line washing: d-Head removal: e- Neck removal: or mechanical conveyor. Lungs remaining. THE PARTY OF THE P The birds are dropped sutomatically from the evisceration line into Long spin washer tanks which contain mains water at a temp of 10-16°C for 10 min. — I body temp from 36°C to 25°C chlorination (50 ppm Free Chlorine) — completely Kills bacteria in the tanks. to a temp. of -18°C. Polythene bags and from 7 washing and cooking: o birds are transferred from the washer unit by an elevator into Long immersion chiller tank into which Flake ice is dropped from overhead (8) chilling: . birds are pushed along the tanks by revolving paddle conveyor or draining Line For lomin to Lose any 3 Draining: excess water. and Leave at a temp. of 2-4°C. birds remain in the chiller tank for 30-40 min Flake ice machine. 6







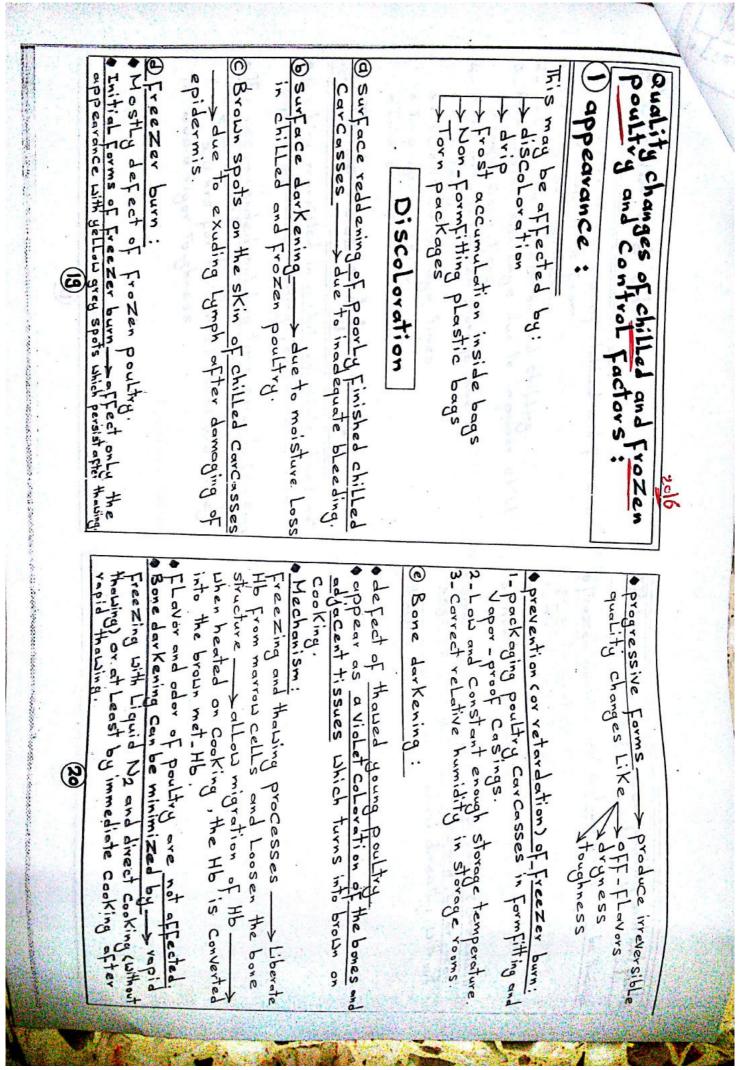
3- Can be operated under a wide range of conditions 2-adaptable to most products. 2-Evaporation Losses if the product is Frozen 4- Very Low Labor Costs. · advantages. 1) Air-blast freezing: 1- Longer time required if the product is previously placing poultry carcasses ceither in bulk or in packages) on trays ____ trays are then placed on Freezing racks in a Low temp. room with Cold air blowing over the poultry carcasses. disadvantages: Ereczing methods For poultry: > Freezing by direct immersion Freezier > Tunnel Freezer + air - blast Freezing packaged. 5 Freezing by direct immersion: Immersing Carcasses (packed in impermeable, heat_shrinkable bags) in Low temp. Liquids such as Liquid N2 (-196°C), ethylene glycal or salt soln.

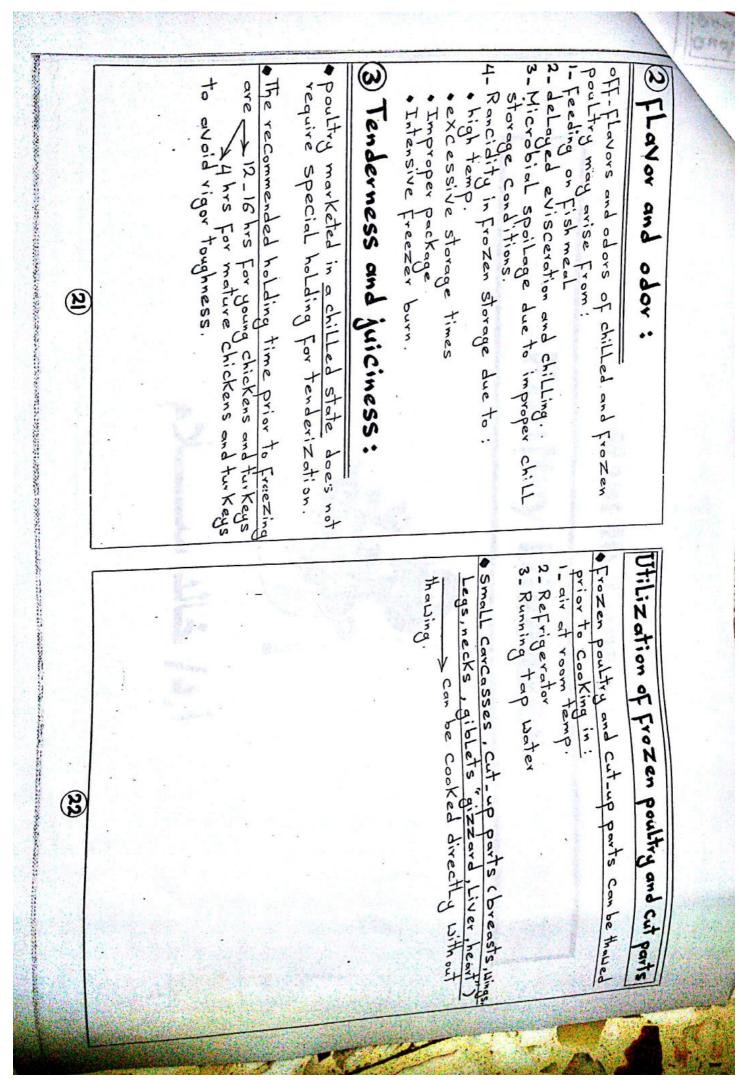
• used for deep-chilling of poultry products • applied to Freeze chicken parts, chicken nuggets. 3 Spiral Freezer: 3) Tunnel Freezer:

4) Continuous Conveyor - type sharp Freezer * Suited for crust freezing or chilling of tray - packaged parts on a Continuous operation freeze or chill any product such as chicken pieces, meatballs or fish fillets.

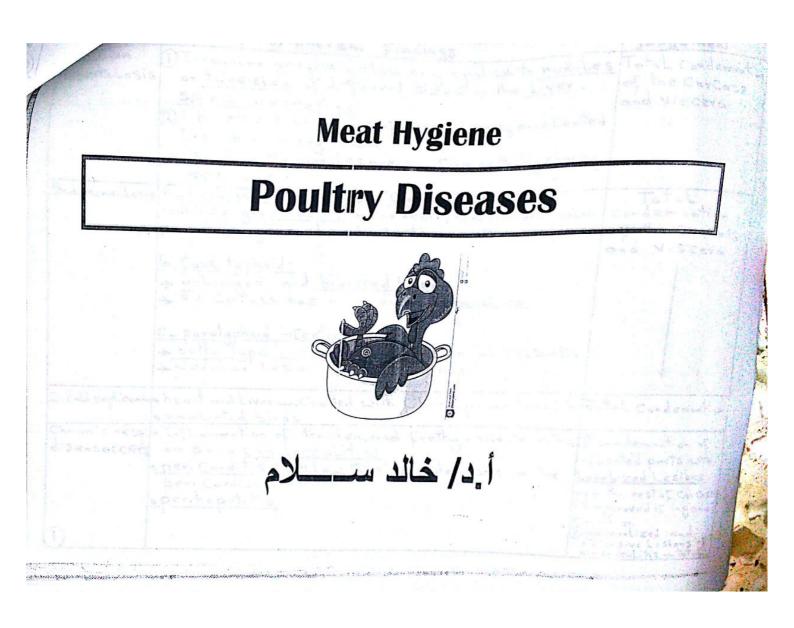
The minimize product weight loss. a Continuous conveyor moving the Carcass through a tunnel - Like System Fed with high velocity air blasts (-37.2°C)

The control of the state of the





Scanned by CamScanner



disease (CRb)	E. Cali septicemia	Avi an Tuberculosis
peri Carditi	· heart and Liver _ Coated	Dirregular gregish us or tubercles of differences and intestine and intestine a character or tubercles of difference appearance appe
A		regish white nodules regish white nodules resish white nodules es in the Liver. - Liver whees y white diarrhead: - th Lungs, Liver, spleen e appearance appearance appearance and enteritis
O condemnation of affected parts with Localized Lesions and the rest of carcist is approved if ingood Condition. Ogeneralized and cirtansive Lesions of air sacculitis - total	Total Condemnation	Judgement Total Condemnation of the Carcass and Viscera Total Condemnation of the Carcass and Viscera

2-chronic Catarrhal	Newcastle 1- acute Form: disease - death with no hemorrhage in bet. esophagus Tracheal muca	The Luenza CFoul plague) a highly pathogen Fibrinous exud and peri Cardium Milled to mode 1- pronounced of he and Cyanosis Serosal and each	2 0
inf Lam	Larm: hage in provent viculus cesp. at Junction hage in provent viculus cesp. at Junction hage in provent viculus cesp. at Junction	ghty pathogenic virus: gross Lesions gnificant gross Lesions grinous exudate in airsacs, oviduct, peritoneum d peri Cardium Ld to moderate infection: pronounced Congestion of musculature edema of head with Congestion, hemorrhage and Cyanosis of Comb, wattles and sinuses pet. and ecchymotic hemorrhage in abd. Fat, Serosal and mucosal surfaces	xudate-in watiles, sinus tendon sheaths. cchymotic hemovrhage on L s mm. and abd. Fat.
3-Infected birds should not be admitted to the abouttoir.	2-disinfection of premises and equipments,	Condemnation	es, middle ear, septicemic Carcass Lacalized Lesions Condemnation of affected parts

bone postmortem Fracture -> hemorrhage while broken postmortem Fracture -> Nohemorrhage while broken	Findings ethick Copsule in Serous Fluid one > may become se absicess is breast Hm an sternum.
roken bones associated with emorrhage - roken bone without hemourh the ruptured skin - roken bone with no ruptured skin - roken bone -	over Trimming of affected parts ome II Mm and bone are affected parts total Condemnation. It depend upon the extent and of Lesions